Date: Fri, 22 Apr 94 04:30:13 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #125
To: Ham-Digital

Ham-Digital Digest Fri, 22 Apr 94 Volume 94 : Issue 125

Today's Topics:

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Apr 94 07:45:53 GMT
From: agate!ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!bbc!ant!
boyer@ucbvax.berkeley.edu
Subject: 486cpu RFI Problems
To: ham-digital@ucsd.edu

Seth M. Dworken (p00123@psilink.com) wrote:
: >DATE: Sun, 17 Apr 1994 13:37:50 GMT
: >FROM: J.D. Cronin <jdc3538@ultb.isc.rit.edu>
: >
: >In article <2975456864.6.p00123@psilink.com> p00123@psilink.com writes:
: >>Probably the biggest factor is to have a computer that is FCC type B
: >>approved for RFI. Type B is the more stringent standard.
: >>
: >>Type A is not approved for use in the home or for sale for home use.
: >>

: >>-Seth
: >
: >A FCC type approval sticker is meaningless. I purchased a mailorder
: >486 DX2/66 PC, which emitted gobs of RFI from its unshielded
: >plastic case, keyboard and monitor. I complained to the local FCC
: >field office, who directed me to the FCC BBS. (Don't have the
: >number handy, call your local field office.)
More deleted...

FCC type approval is even more meaningless in the UK!!

However It should be noted that Just about everything in my house throws
out rf noise. Even my Psion organiser.

I used a friends ICR1 to trace mains cabling in my house because I

accidently discovered that my mains radiates noise on about 120MHz!!!

Acually in all honesty I think that the ICR1 was capacitively coupling
into the mains and using it as an aerial. Thus rasing the received noise
floor. Who knows?

As to my 486. Well I just try and keep my aerials as far away as possible.

Have fun.

John B

Date: Tue, 19 Apr 1994 09:20:28 -0400
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!ncar!asuvax!
pitstop.mcd.mot.com!mcdphx!schbbs!mothost!lmpsbbs!NewsWatcher!
user@network.ucsd.edu
Subject: AMSAT HF PBBS MOVE
To: ham-digital@ucsd.edu

In article <$arts-094.1994@ampr.org>, BJARTS@stthomas.edu (B J Arts) wrote:

> SB PBBS@AMSAT $ARTS-094
> AMSAT PBBS MOVE
>
> The AMSAT PBBS will be changing frequency and modes starting April
> 15th at 1600 UTC. The AMSAT PBBS will be on a Mark frequency of 14.079,
> that's (14.181.1 AFSK LSB), using the mode Pactor with the callsign WT0N.
             ?
NO, actually it should read 14.081.1 (minor typing error), and if you are

running a Kenwood you will want to center-tune at 14.081.2 instead. This
will put mark at the requested frequency with space 200 hz down from there.

If you have trouble copying, remember to also check your TNC's TxRev and
RxRev settings when running inverted like this.

> The new schedule will be as follows: Monday THRU Saturday from 1600 UTC
> until 2300 UTC on a Mark freqeuncy of 14.079. From 2330 UTC until 0400 UTC
> on a Mark freqeuncy of 7.073.5 that's (7.075.6 AFSK LSB), using the Mode
> Pactor. These changes have been made to better serve AMSAT users with better
> coverage and use of a mode that many of the users have expressed an interest
> in. If anyone would like to use the Mode G-TOR, please let me know and I
> can see about setting up a schedule for G-TOR users. Please send any
> comments or suggestions to one of the following:
> INTERNET: BJARTS@STTHOMAS.EDU
> PACKET: WT0N@WB0GDB.#STP.MN.USA.NOAM
> PACTOR: WT0N
>
> The AMSAT PBBS will have updated Keps and AMSAT BULLETINS, along with
> SpaceNews and other satellite related items.
>
> 73 AND THANKS FOR YOUR TIME AND INTEREST THE AMATEUR SATELLTIE PROGRAM
> de BJ ARTS WT0N
>
> /EX

--
Karl Beckman, P.E.   < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data   < no earthquake is a match. -- Karl Kraus >

The statements and opinions expressed here are not those of Motorola Inc.
Motorola paid a marketing firm a huge sum of money to get their opinions;
they have made it clear that they do not wish to share those of employees.

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA   NavyMARS VBH @ NOGBN.NOASI

Date: 22 Apr 94 06:44:19 GMT
From: dog.ee.lbl.gov!agate!headwall.Stanford.EDU!rbatra@ucbvax.berkeley.edu
Subject: Building a Satellite. Need Advice.
To: ham-digital@ucsd.edu

Hi All,

     I'm a Stanford graduate student in the Aeronautics program and
am building a satellite that will be launched hopefully sometime next year.

I plan on using a TNC for telemetry data. Since the majority of the satellites use PSK, I plan on using a rad hard version of a paccom tiny 2. I hear they use low power (CMOS) and are easy to hook up to a transceiver (as opposed to 9600). First, are my decisions sound?
The satellite will be in LEO, and we do plan on downloading jpeg pics (about 20K each). 8 - 15 minute windows.

Second, what can I do about data integrity? I hear there is a protocol called pacsat that the uosat's use- is this an easily configured code (we plan on launching a 68332), and if so where is it available. If there is a better/easier protocol available let me know. My major concern is to resume a download if the window is not long enough to retrieve a picture.

Third, using a store bought TNC 1200 baud, will I have any problems uploading. Will Doppler's effect be a problem?

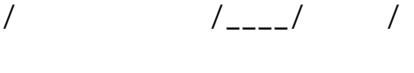
Thanks in advance,

Rajesh Batra
rbatra@leland.stanford.edu

Date: 20 Apr 1994 15:55:34 GMT
From: olivea!charnel!charnel.net.csuchico.edu!nic-nac.CSU.net!news.Cerritos.edu!news.Arizona.EDU!argus.lpl.Arizona.EDU!ron@ames.arpa
Subject: Packet radio info?
To: ham-digital@ucsd.edu

I would like to get some basic information about packet radio. I was told that packet radio would allow one to make a connection between a unix based host and a internet network. That's about all I know.

I would like to find out what kind of hardware is required, what software? How fast is the connection? Right now I use a modem, is the speed of packet radio listed in baud similar to modems? What would be the cost of a system to connect me from my unix box at home to the internet at work? Is packet radio similar to slip in that you establish a duplex connection and transmit ethernet packets? Is a IP address required? How much power is required for the transmitter and how much range can be expected. Is lline of sight required? Is the radio connection stable or subject to noise and re-transmission of packets?

Please respond to watkins@ssvs.gsfc.nasa.gov
Thanks,
Ron Watkins
--
Ron Watkins [ron@argus.lpl.arizona.edu]
931 Gould-Simpson


University of Arizona   /   /   /
Tucson AZ. 85721 -- (602) 621-8606   (____ unar & / lanetary (____ ab.

Date: Tue, 19 Apr 1994 20:04:01 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!swrinde!sgiblab!wetware!
spunky.RedBrick.COM!psinntp!psinntp!gdc!news@network.ucsd.edu
Subject: Packet uses? and Modem recomm?
To: ham-digital@ucsd.edu

In article <1994Apr16.000455.10257@wvnvms.wvnet.edu> un107332@wvnvms.wvnet.edu
writes:
>Hi! :)
>
>   I don't currently have a license, but i plan to get one soon, and
>had some questions about packet. I think I understand te basics, but the
>specific usages of it are an unknown to me. I've heard there are packet BBS's,
>but can you access the Internet through packet? What do you need to do it?
>   Also, I know I need a packet modem, so I was wondering if anyone can
>recommend any? Are there different types of packet modems?
>
>Thanks,
>
>Laurent -(*)-
>
>Please post on the newsgroup, since I think others might be interested

---

Date: Tue, 19 Apr 1994 20:29:13 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!swrinde!sgiblab!wetware!
spunky.RedBrick.COM!psinntp!psinntp!gdc!news@network.ucsd.edu
Subject: Packet uses? and Modem recomm?
To: ham-digital@ucsd.edu

In article <1994Apr16.000455.10257@wvnvms.wvnet.edu> un107332@wvnvms.wvnet.edu
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>
>Laurent -(*)-
>
>Please post on the newsgroup, since I think others might be interested

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Date: 21 Apr 94 21:22:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: Spread Spectrum
To: ham-digital@ucsd.edu

	Subject:	Time:2:10 PM
OFFICE MEMO	Spread Spectrum	Date:4/21/94

>Andy Hull writes:
>
>I am interested in building a low power, low frequency
>Frequency Hopped transmitter/receiver pair for experimentation.
>Is there a good source of information on constructing such a
>device?

See the ARRL "Spread Spectrum Handbook" at your local radio store. I'd also snoop around to see what's available in IC's these days, given the great interest in SS for consumer products. If you have $$, take a look at the Unisys EB-100 programmable SS evaluation system (board), e.g., as shown in Signal, Vol. 48, No. 7, March 1994, p.26. You may also want to touch bases with Bob Buaas, K6KGS, who is the PI for an STA for SS experimentation (fax 714-968-6781). Good luck. And please post you findings here. Thanks.

73/Rick W0TN <rick_whiting@atk.com>

Date: 21 Apr 94 14:21:02 GMT
From: news-mail-gateway@ucsd.edu
Subject: TI 320C26 DSP Eval Kit
To: ham-digital@ucsd.edu

I found a distributor called "Wily" who has more than 100 left over stock of DSK. You may refer anyone (like me) interested in DSK to 1-800-414-4144 (Wily in Saly Lake City, USA).

J. Hun Park <parkx015@maroon.tc.umn.edu>

Date: Thu, 21 Apr 1994 08:46:22 GMT

From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!
netcom.com!parker@network.ucsd.edu
To: ham-digital@ucsd.edu

References <parkerCoJ5z5.67A@netcom.com>, <pineappCoKCL1.L6F@netcom.com>,
<parkerCoKuEw.2n2@netcom.com>
Subject : Re: Internet > Packet gateways??

I don't have a list of other gateways, but you should probably be able to
find a list of them from an ftp site. Try ftp oak.oakland.edu. The only
other one that I use is n8fow (Detroit). That's 44.102.48.2. Good luck.

--

| Andrew Parker | KD6TGM | parker@netcom.com |

| This signature is extra lean. It will not contain more than 15% fat.|

End of Ham-Digital Digest V94 #125
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